1: Conzemius M-4, 5 (1921) 1932
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The Indians do not eat it, believing that by so doing they will become forgetful like the tortoise itself, and become lost in the bush or misplace things, and the like.

Strange animals are regarded as evil spirits and their appearance is a bad omen; the Indians do not dare to kill them. Heath, while stopping with his Miskito crew from Kiplapihni at an empty house at Burimak (middle Rio Coco), came across a strange bat, which event he relates as follows: "We saw clinging under the palm roof a small snow-white bat. Some felt sure that it would suck our blood in the night; so it was killed, but turned out to be a perfectly harmless creature with very beautiful fur. But now, as no one present had seen such a white bat before, some declared that its coming was a bad omen; others that it was sent by an evil spirit, or was even more likely itself to be an evil spirit; that the man who killed it would soon die of a pernicious fever, etc. It took some time to calm the fears of the women especially." (Heath, b: 377.)

CHARMS, AMULETS, TALISMANS.—Some of the ornaments are undoubtedly supposed to act as charms, amulets, or talismans, as they are worn chiefly by the women and children, who are especially exposed to the malicious influence of evil spirits. In fact the different works of art and modes of decoration, including ornaments, paint, mutilation, scarification, tattoo, etc., seem to have had originally a religious and magical significance rather than a desire to embellish the appearance. Red and black paint is still regarded a prophylactic against disease.

Charms are used for managing the opposite sex, as a cure for barrenness by women, in order to have a male child, and for luck in hunting and fishing. Jaguar teeth are carried as talismans for courage, strength, and to stimulate virility and excite venery.

Charms on fruit trees have the object of increasing their yield and keeping birds, animals, and even man from plundering them. In order to render fruit trees more productive the Miskito drive a nail in the side of the stem facing the west. When they make staffs for turtle spears they also prefer utilizing the west side of the stem of the pejivalle palm, believing that part of the trunk to be more durable and resistant.[75]

Celts or stone axes, which are occasionally dug up in the fields, are regarded as "thunderbolts," and were worn in former days as amulets for protection against lightning. They were also supposed to render the bearer brave and enduring. They are considered very efficacious in healing certain diseases, and the sukya makes use of them in practicing his rites of sorcery. On account of these proper-

[75] The Creoles, in making tea from the medicinal bark of certain trees, likewise prefer using the bark on the side facing the sunset.

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to frighten that feline and drive it away, by shooting arrows at it, making great fires, and beating drums. The same belief is held by these Indians with regard to a solar eclipse (T., P.: *ma nawa kasya;* U.: *ma nawa kasya* "the jaguar is eating the sun").[78]

The Miskito, however, do not share in this superstition; they call the lunar eclipse *kati ñi-akura alkan* "the moon has caught his mother-in-law," and the solar eclipse *yu ñi-akura alkan* "the sun has caught his mother-in-law."[79]

SNAKE CHARMING.—Snake charming is practiced on the Mosquito Coast by Negroes chiefly (native Africans especially), but some of the Miskito are also supposed to know this art. In order to remain invulnerable against the bite of any snake, these people are said to drink from time to time an infusion made by boiling the guaco weed (*Mikania* sp.) in water. The same effect may be obtained by applying a little juice from the latter plant into a small incision in the skin. The chewing of a few guaco leaves every day is also supposed to be an efficacious preventive against snake bites. The best snake charmers are said to eat the head of the reptile after having extracted the poisonous fangs; others merely cook their food with a little fat extracted over a slow fire from the head of a snake. The snake charmer must submit to restrictions in diet during certain periods of the year; he must also abstain from sexual intercourse with other women but his own, lest he might lose his powers.

In order to capture a poisonous snake without any danger to himself, the snake charmer chews a little bark from a certain shrub (M.: *piyata sikka*) and then spits upon the head of the reptile. The latter is immediately stupefied and becomes absolutely harmless.

Many people are supposed to keep tame snakes in their houses or fields in order to guard their property. These reptiles act as watchdogs and will bite any intruder. The more ignorant Ladinos, who call such a snake "sontín" (from the English word "something," it appears), believe that this habit is practiced by almost all the Indians and Negroes of the Mosquito Coast.

CAMOTILLO POISON.—This is supposed to be a deadly poison with the aid of which the intended victim will die at a specified date, if everything has been prepared the right way. Even if the victim should know that camotillo has been administered to him he can not escape from a lingering death, for science knows of no way to counteract its effects.

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[78] The Cuna Indians of Panama believe that eclipses of the sun or of the moon are caused by a demon—half dog, half woman—which starts eating those heavenly bodies; these Indians drive the demon away by shooting at it with miniature arrows (E. Nordenskiöld, Comparative Ethnographical Studies, vol. F, pt. 2, Göteborg, 1920, p. 20).

[79] Sun and moon are considered masculine in the Miskito language.

2: Kirchhoff E-4 (no date) 1948
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wore tight cotton bands below the knees and above the ankles. Today 301
woven bands of glass beads are worn around the neck, wrists, and ankles. Straw hats are decorated with feathers and jaguar teeth (*Mosquito, Paya*).

Black paint is smeared over the body by the men (*Sumo, Mosquito,* 302
Paya) as a decoration and for protection from insects. Geometrical de- [751]
signs are drawn in red paint, mainly by the women. The *Sumo, Mosquito,* [53]
and *Paya* tattooed geometrical designs upon the face, arms, and breast. 304
The *Sumo* men made ornamental scars on their faces and chipped their teeth. All *Sumo* tribes except the *Bawihka* practiced head deformation. During infancy a folding flap of wood at the top of the cradle was tied firmly to the crown of the head.

TRANSPORTATION

Loads are carried with a band passing over the head (women) or 482
across the chest (men). Children are carried on the back in a blanket, [855]
the points of which are tied in front. [487]

The country has hunting trails but no roads. Most travel is done 501
in dugout canoes propelled with poles and broad-bladed paddles. Rafts are used for down-river traffic. Large keeled canoes, often equipped with a sail, are used at sea.

MANUFACTURES

Basketry.—Crude baskets, mainly of wickerwork, are made chiefly for 285
storage bins. Bark and silk grass fiber bags are very common. Bark fiber is used also to make tumplines, hammocks, and such.

Bark cloth.—Bark cloth is beaten out of ficus-tree bark with a grooved 287
wooden mallet.

Weaving.—Cotton is spun on a spindle, which has a whorl and is 286
rotated in a gourd. Coarse-textured but soft cotton cloth is woven on a two-beam loom. Thread was formerly dyed and designs were woven in the cloth. Sometimes feathers, particularly a fringe of white Muscovy duck down, were incorporated into the fabric.

Ceramics.—Pottery making has been described only from the *Sumo* 323
and *Paya*, although pottery was formerly made by all tribes. Women model small vessels out of a lump of clay but build up large ones with coils. They polish them with a pebble, dry them for several days, and fire them in the open. Pottery types include jars about 4 feet (1.3 m.) high, various types of jugs, water jars, small bowls, griddles, and tobacco pipes. All vessels have a convex base.

Miscellaneous manufactures.—Metates are still used by the *Paya* 415
and *Sumo*, and they have recently been adopted by the *Jicaque*, but the *Mosquito* are said no longer to use them. Metates are flat-topped boulders, which only rarely have a trimmed surface. Manos are round pebbles.